



TO STAND-L.A.

STAND TOGETHER

AGAINST

NEIGHBORHOOD DRILLING



All is Not Well

South LA

Communities'
Journey to End

Oil/Gas

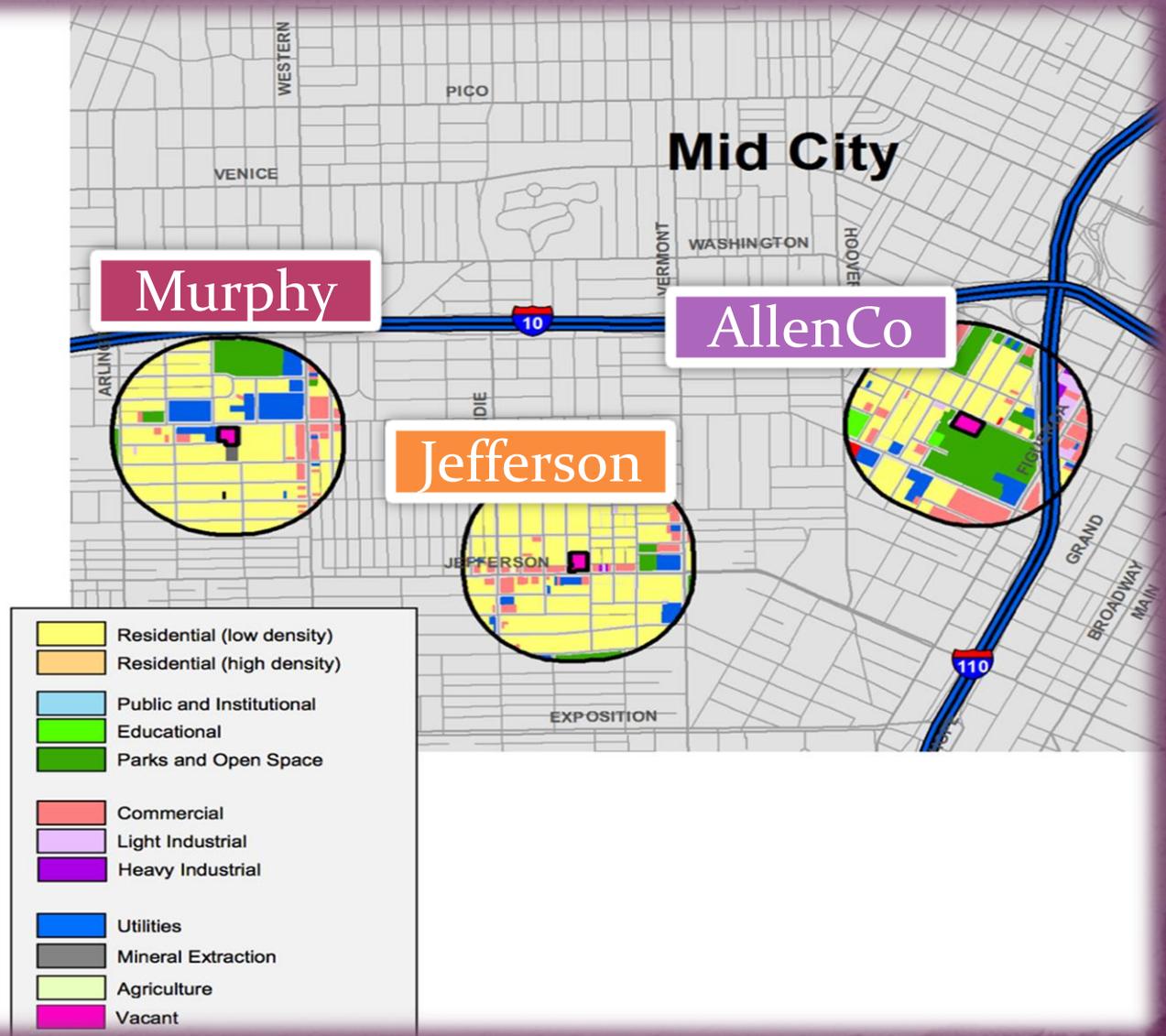
Extraction in
our

Neighborhood

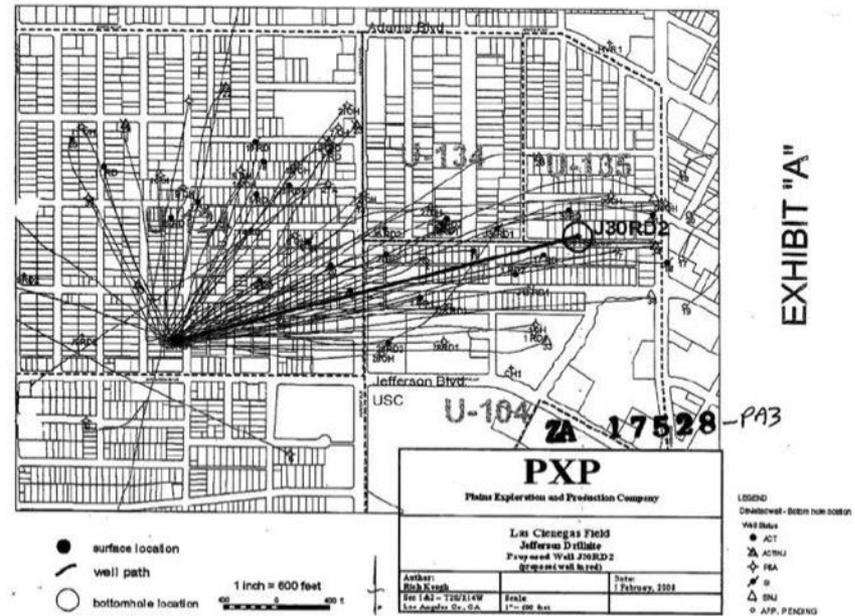
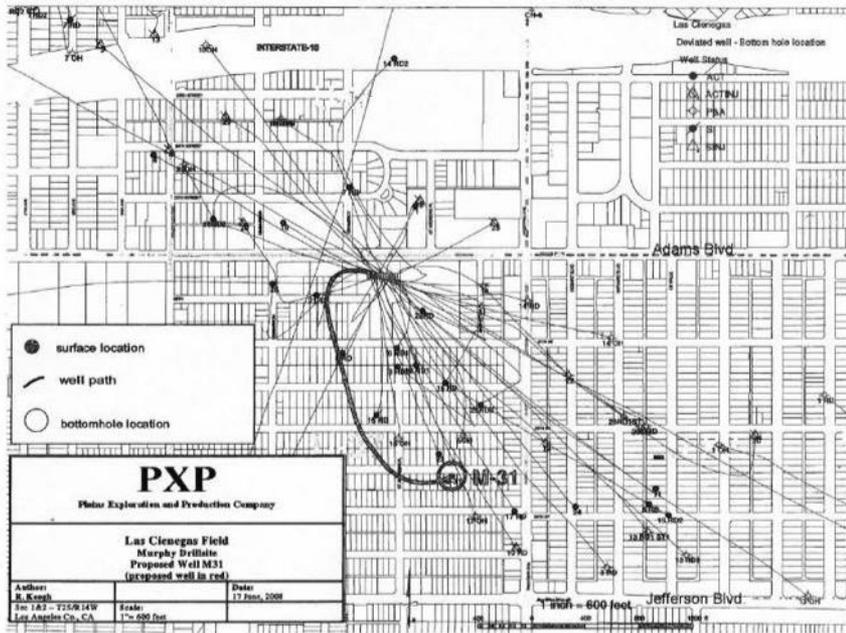
South LA Extraction Oil/Gas Facilities

Land use within
1,500 feet of new
and active wells in
Mid City Los Angeles

(Data from Southern California
Association of Governments, 2012)



Jefferson Drill Site





Parked a few feet away from bedroom windows, two tanker trucks pump 10,000 gallons of toxic acid and chemicals into a well with no notice to residents.



Workers in head-to-toe protective gear stand behind red DANGER tape while residents a few feet away receive no notice.

Surfatron DQ-86

GROSS FLUID

NALCO Champion
An Ecolab Company

NALCO COMPANY
Bakersfield, CA Plant 6321 District
Blvd, Bakersfield, CA, USA 93313
661-834-0454

U.S. DOT Shipping Name:

PRODUCT IS NOT REGULATED
DURING TRANSPORTATION

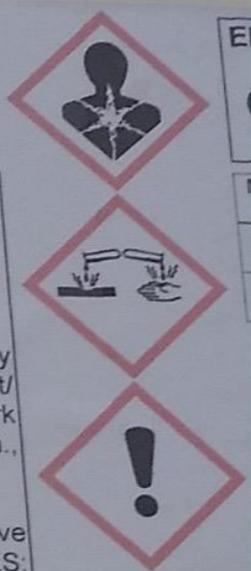
REPORT (IMDG/IMO):

Surfatron® DQ-86

Danger! May cause an allergic skin reaction. Causes serious eye damage. Harmful if inhaled. Suspected of damaging fertility or the unborn child.

Prevention: Obtain special instructions before use., Do not handle until all safety precautions have been read and understood., Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray., Use only outdoors or in a well-ventilated area., Contaminated work clothing should not be allowed out of the workplace., Wear eye protection/face protection., Wear protective gloves., Use personal protective equipment as required.

Response: IF ON SKIN: Wash with plenty of soap and water., IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing., IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and continue rinsing., IF exposed or concerned: Get medical advice/attention., IF ON CENTER or doctor/ physician., If skin irritation or rash occurs: Get medical advice/attention., If you feel unwell, tell your doctor what you have done before you use.



“DANGER! ...

Harmful if inhaled. Suspected of damaging fertility or the unborn child.”



Jefferson Drill Site

Niki Wong, MPH

Lead Community Organizer - Redeemer Community Partnership



Adjacent House Sprayed with Oil

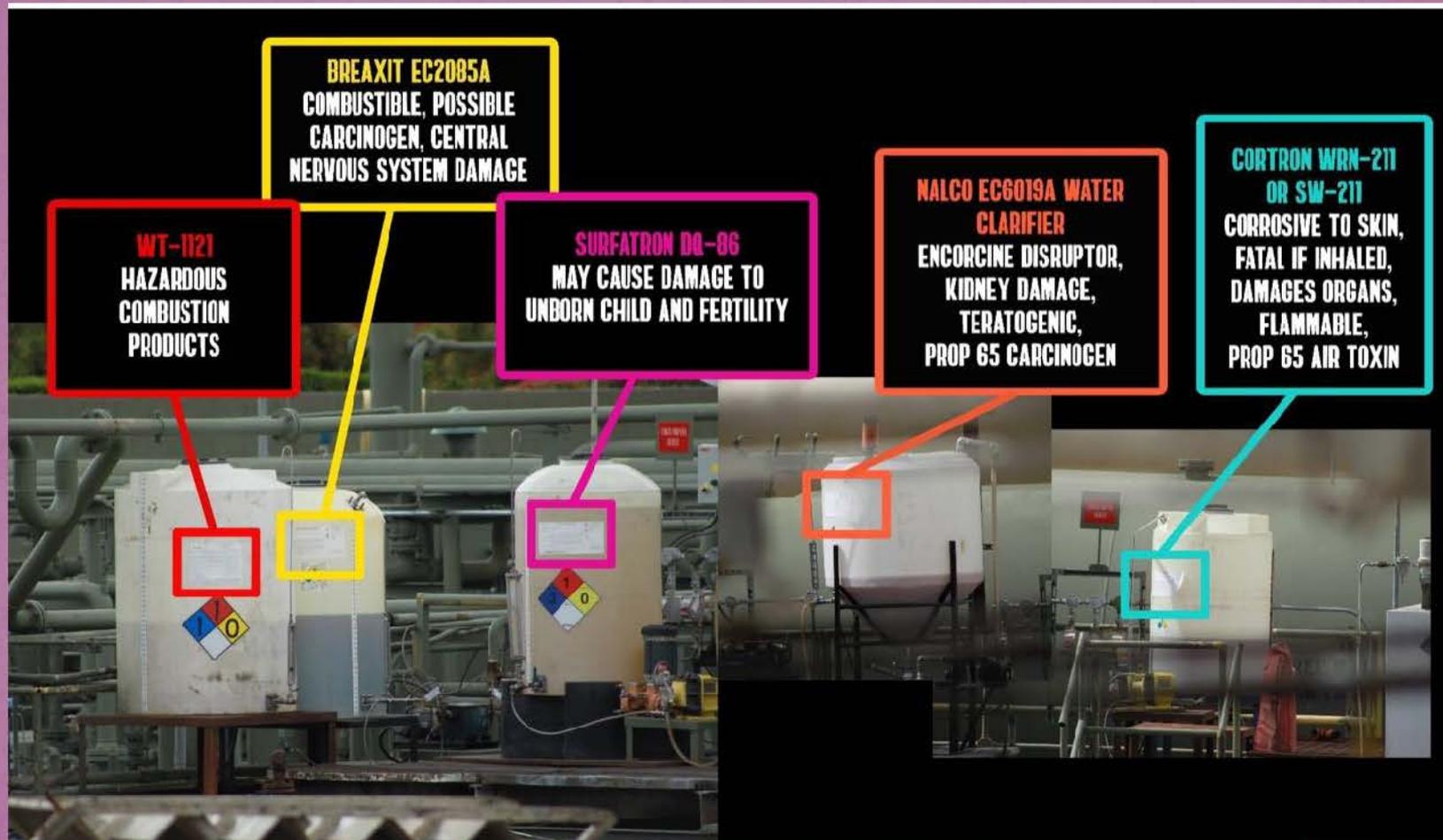


Chemco Odor Control Jasmine



March 2016 - Chemco Odor Control Jasmine used to mask hydrogen sulfide (H₂S) and contains endocrine disrupting chemical ingredients

Chemicals Store on Site



Chemco Odor Control Jasmine



March 2016 - Chemco Odor Control Jasmine used to mask hydrogen sulfide (H₂S) and contains endocrine disrupting chemical ingredients

Odor Complaints Ignored or Mitigated



- 18 odor complaints
 - Foul odors and noise, several people were getting headaches and feeling nauseous
- Arrived an hour later and notified operators before coming
- By AQMD rules failed to meet “threshold” for an AQMD Odor Complaint

Jefferson Drill Site





- People not Pozos Eperanza Community Housing





*Dirty Dozen Report by Center for Biological Diversity-
Chemicals used in oil production*

| Rank | | | |
|------|-----------------------------------|-----|---|
| 1 | Crystalline Silica | 117 | Harmful to skin, eyes and other sensory organs, respiratory system, immune system and kidneys; mutagen. Known human carcinogen. ⁵ |
| 2 | Methanol | 85 | Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, brain and nervous system, immune system, kidneys, reproductive and cardiovascular system; mutagen, developmental inhibitor and endocrine disruptor. |
| 3 | Hydrochloric Acid | 43 | Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, immune system, cardiovascular system and blood. |
| 4 | Hydrofluoric Acid | 16 | Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, brain and nervous system, immune system, kidneys, reproductive system and cardiovascular system; mutagen, developmental inhibitor. |
| 5 | 2-Butoxy Ethanol | 13 | Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, brain and nervous system, immune system, kidneys, reproductive system and cardiovascular system; mutagen, developmental inhibitor and endocrine disruptor; linked to liver cancer. Also linked to adrenal tumors. ⁶ |
| 6 | Ethyl Glycol (Monobutyl Ether) | 11 | Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, brain and nervous system, immune system, kidneys, reproductive system and cardiovascular system; mutagen, developmental inhibitor, and endocrine disruptor; linked to liver cancer. |

| 7 | Xylene | 10 | Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, brain and nervous system, immune system, kidneys, reproductive and cardiovascular system; developmental inhibitor and endocrine disruptor. |
|----|------------------------|----|--|
| 8 | Amorphous Silica Fume | 7 | Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver; linked to lung cancer. |
| 9 | Aluminum Oxide | 7 | Harmful to skin, eyes and other sensory organs, respiratory system, and brain and nervous system. |
| 10 | Acrylic Polymer (Acid) | 6 | Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, brain and nervous system, immune system, kidneys and cardiovascular system; mutagen and developmental inhibitor. |
| 11 | Acetophenone | 6 | Causes skin irritation, corneal injury, hematological effects; possible damage to lung, kidney and liver. ⁷ |
| 12 | Ethylbenzene | 6 | Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, brain and nervous system, kidneys, reproductive system and cardiovascular system; mutagen, developmental inhibitor and endocrine disruptor. |
| | | | |

PRIVATE PROPERTY
NO PARKING
UNAUTHORIZED VEHICLES WILL BE
TOWED AWAY
AT VEHICLE OWNER'S EXPENSE
NOV 19 2015 10:00AM 142 20640

VISITOR
ENTRANCE
ON
WEST SIDE

ALLENCO
ENERGY Inc.
24 HR. EMERGENCY
CONTACT
562.989.6100

ON-SITE
PHONE#
(310) 505-9782

WARNING
THIS FACILITY CONTAINS ONE
OR MORE CHEMICALS KNOWN
TO THE STATE OF CALIFORNIA TO
CAUSE CANCER, REPRODUCTION
& REPRODUCTIVE HAZARD
AVISO
ESTE LUGAR CONTIENE UNO O MAS
PRODUCTOS QUIMICOS CONOCIDOS
POR EL ESTADO DE CALIFORNIA QUE
CAUSAN CANCER O DAÑOS A LA
REPRODUCCION O HAZARD REPRODUCTIVO

**NO
SMOKING**



PRIVATE
PROPERTY
NO TRESPASSING

814





Murphy Drill Site

Rev. Kelvin Sauls

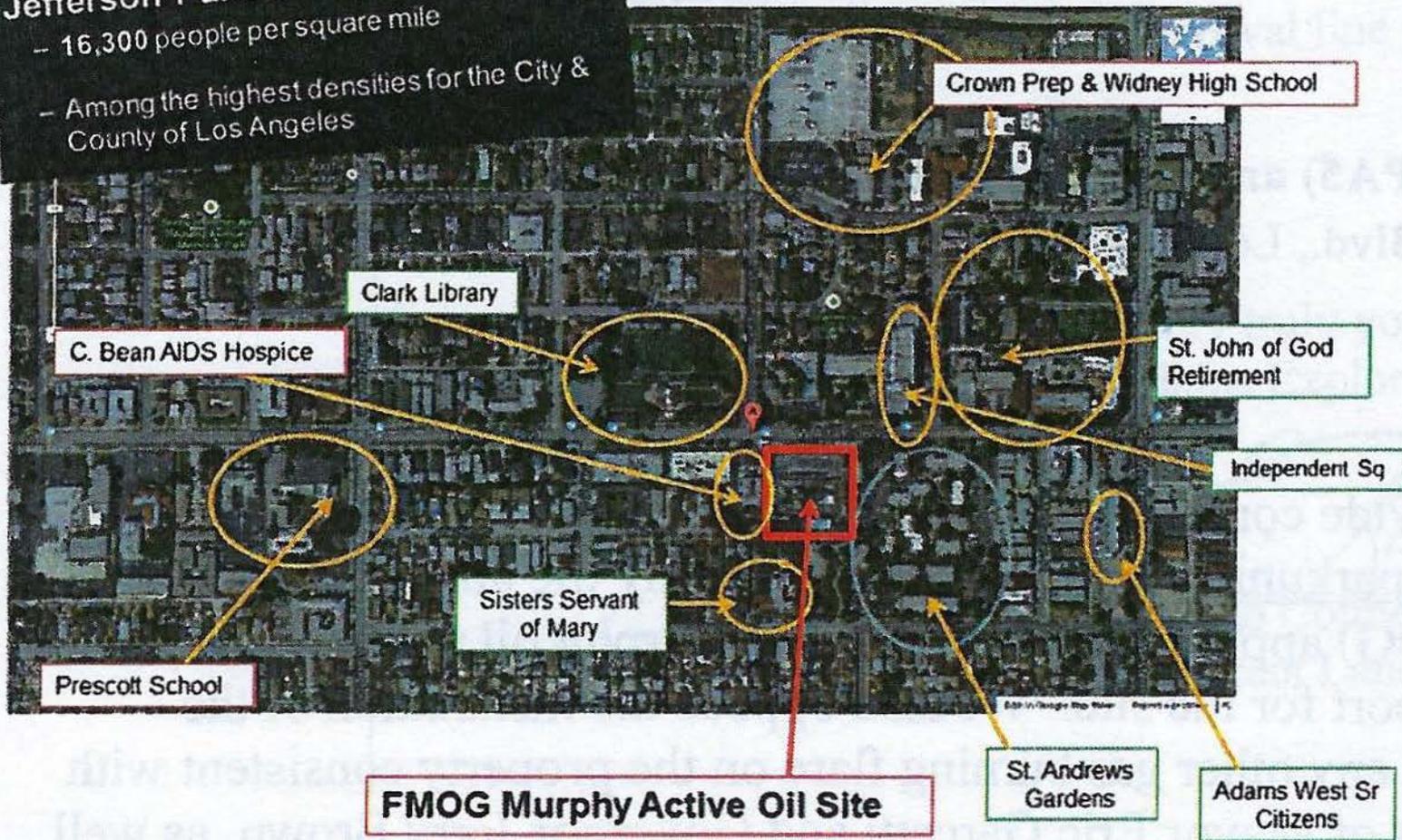
Senior Pastor - Holman United Methodist Church

Population Density

Jefferson Park & Kinney Heights

- 16,300 people per square mile

- Among the highest densities for the City & County of Los Angeles



Protecting Community Health
and the
Environment:

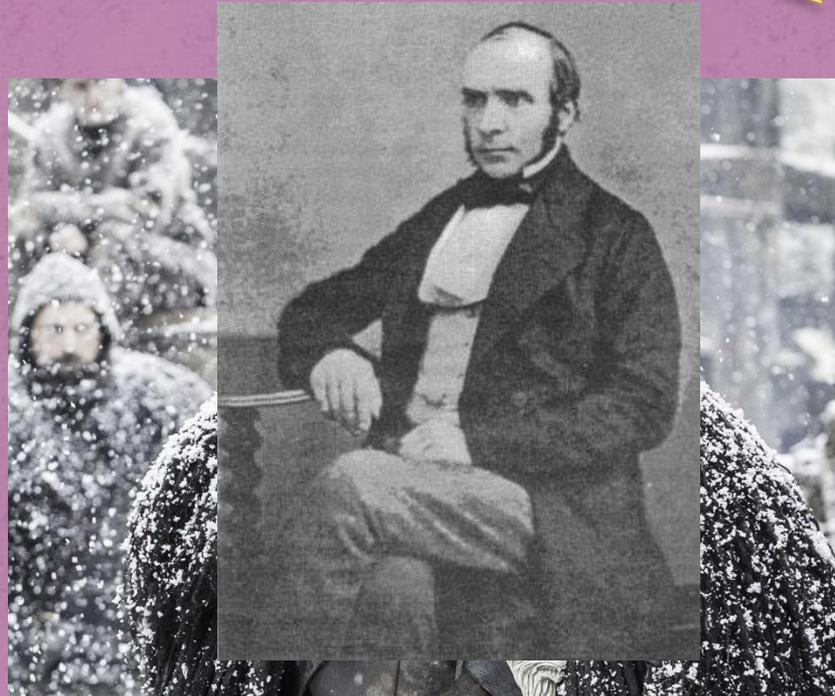
*Decision making for public health
action*

Echos and Early Warnings...

- What's the *real* reason there's so much asthma in my neighborhood ?
- Why do I suddenly have asthma
- Why is my child getting nightly nosebleeds
- It seems a lot of people in my neighborhood have cancer
- I have lost my sense of smell
- What is causing my headaches
- What is *the* thing we should be doing to get rid of asthma, cancer, air pollution, low birth weight, learning disabilities?

Science in Public Health Decision Making

IN HISTORY



Acting on Early Warnings

Cigarettes and lung cancer

when do we act

- 1945—Ochsner—Incidence rises together
- 1950—Doll & Hill—case-control study
- 1953—Wynder—tar causes cancer in mice
- 1954—Follow up studies show association, and that greater exposure > greater risk

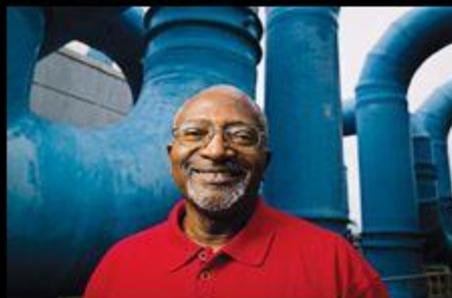
- 1990s—biological mechanism(s) described (genetic factors; mutations)

Questions to ask:

- At what year would you urge your child not to smoke?
- When would you advocate that cigarette smoking be banned in public places
- When would you hold tobacco companies legally accountable for the effects of smoking?



Bullard's New Environmental Justice Framework



1. Ground the framework on the principle that all individuals have the right to be protected from environmental degradation.
2. Also ground the framework on the precautionary principle to protect workers, communities, and ecosystems.
3. Shift the burden of proof to polluters and dischargers who do harm, who discriminate, and/or who do not give equal protection to all racial and ethnic groups.
4. Adopt a public health model of prevention as the preferred strategy to eliminate a threat before it occurs.

What is the precautionary principle?

Wingspread Statement (1998): “When an activity raises threats of harm to human health or the environment, precautionary measures should be taken even if some cause and effect relationships are not fully established scientifically.”

Evidence that Neighborhood Drilling poses an unacceptable risk

- Magnified Impacts due to Proximity and Population Density
- Approximately 1.7 million people live within one mile of an active oil and gas well. More than 32,000 people live within 100 meters. Studies from outside CA indicate that exposures to toxic air contaminants are most significant within ½ a mile from active oil and gas development.³
- Oil and gas operations release large amounts of reproductive, immunological, and neurological toxins, carcinogens, and endocrine disrupting chemicals (EDCs).

Making decisions based on what we cherish





fail-ure

(fāl'yər),

cessful; lack of

quality; an insu

esp. of vigor o

1. a
nic lan-
Islands,

guards a

2.

This is an inherently dangerous practice occurring dangerously close to people and poses an unacceptable risk for a practice for which we have alternatives

Los Angeles Needs Health and
Safety Buffer Zones to protect
human health, the environment and
future generations

And we need ways to keep more
hydrocarbons in the ground

Credits

- Thanks to
- Niki Wong
- Richard Parks of Redeemer Community Partnerhip